

Title (en)

Hydrocracking catalyst with reduced zeolite content.

Title (de)

Hydrokrackkatalysatoren mit vermindertem Zeolitgehalt.

Title (fr)

Catalyseurs d'hydrocraquage avec teneur réduite en zéolite.

Publication

**EP 0182216 A2 19860528 (EN)**

Application

**EP 85114197 A 19851107**

Priority

US 67352084 A 19841120

Abstract (en)

A catalyst composition composed of a porous, inorganic refractory oxide in intimate combination with between about 40 weight percent and about 70 weight percent of a crystalline aluminosilicate Y zeolite. The Y zeolite contains ion-exchanged Group VIII noble metal cations and preferably has a silica-to-alumina mole ratio above about 6.0. Such a catalyst containing the recited amount of zeolite has been found to possess higher than expected activity when used to hydrocrack feedstocks in an ammonia-deficient atmosphere and to retain activity for hydrocracking in ammonia-deficient atmospheres after regeneration. The most preferred Y zeolite for use in the catalyst has a silica-to-alumina mole ratio between about 6.1 and about 7.0 and is prepared by contacting an ammonium-exchanged Y zeolite with an aqueous solution of ammonium hexafluorosilicate.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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